Gas Strength and Tightness Testing (Non Domestic)

Enter Company Gas Safe Registration Number 12770

CUSTOMER DETAILS

Name (Mr/Mrs/Miss/Ms) ENGIE

Address BIRLWOOD CO APARTMENTS
72 WESTBOURNE RD
SHEFFIELD

Postcode S10 2QT

Tel No

Contract Number

SERVICE CENTRE

Address

Postcode

Tel No

Indicate work undertaken	Tightness test	Strength test
Scope of works PPM	Ioh No	

Test Instrument	
Type (water/elec etc)	ELEC
Serial No if applicable	

TIGHTNESS TEST DETAILS	TPCP1	TPCP1A
Tested To TPCP1 or TPCP1A tick as appropriate		✓
Gas type Natural Gas (NG) Liquefied Petroleum Gas (LPG)		NG
Installation - New (N) - New extension (NE) - Existing (E)		E
Could weather/changes in temperature affect test? Yes/No		
Meter type (Diaphragm, Rotary etc) (N/A if meter not included in test)		N/A
Meter designation (U16, U40, P7 etc) (N/A if meter not included in test)		N/A
Pressure bypass installed if applicable (Yes/No/NA)		N/A
Gas meter volume (m^3)		N/A
Installation volume pipework and fittings (m^3)		0.022 3184
Installation volume total (m^3)		0.022 3184
Test medium - fuel gas, air		FUEL
Tightness test pressure (TTP) mbar/bar		21.0
Gauge GRM		0.5
Pressure gauge type (water, high SG, electronic etc)		ELEC
Maximum permitted leak rate (MPLR) m^3/h		
Maximum Permitted pressure drop (mbar)		4.2
Let-by test period (minutes)		2
Stabilisation period (minutes)		6
Tightness test duration (TTD) (minutes)		2
Any inadequately ventilated areas to check? Yes/No		NO
Is barometric pressure correction necessary? Yes/No		
FINDINGS		
Actual pressure drop (if any) mbar		0
Actual leak rate m3/hr		
Have inadequately ventilated areas been checked? Yes/NA		N/A
Tightness test Pass or Fail		PASS

STRENGTH TEST DETAILS	
Strength test method Pneumatic (P) or Hydrostatic (H)	
Installation - New (N) - New extension (NE) - Existing (E)	
Have components not suitable for strength testing been removed or isolated from installation as necessary (Yes/NA)	
Calculated strength test pressure (STP) (m/bar/bar)	
Test medium - air, nitrogen, water (hydrostatic test) etc	
Stabilisation period (minutes)	
Strength test duration (STD) (minutes)	
Permitted pressure drop (% STP)	
Calculated pressure drop (mbar/bar)	
FINDINGS	
Actual pressure drop (mbar/bar)	
Strength test Pass or Fail	

DECLARATION OF GAS SAFETY - I confirm that all of the above work described on this form [redacted] accordance with the current Gas Safety (Installation [redacted] ds and procedures.

Engineers Si[redacted] Date 30 OCT 2020

Print Name [redacted]

Responsible Person's Signature [redacted]

Attention : Where additional safety checks have been necessary to ensure the gas system is safe, the responsible person has been informed and has accepted the results. The installations has been left operational.

NOTIFICATION OF UNSAFE GAS INSTALLATION - I confirm that all of the above work described on this form has been satisfactorily completed in accordance with the current Gas Safety (Installation and Use) Regulations, industry standards and procedures. However, an unsafe gas installation has been identified, details of which are listed on a separate Warning/Advice Notice.

Engineers Signature Date

Print Name

Responsible Person's Signature

Copies : WHITE - Customer Copy YELLOW - Site Copy PINK - Office Copy GREEN - Engineer's Copy

GAS SAFETY CERTIFICATE

This form can be used as a Landlord's gas safety certificate

Page 1 of 2 Ser No. 31556

Engineer [redacted]

Gas Safe [redacted]

Engie Office Address
14 ENDCLIFFE AVE
SHEFFIELD
S10 3EA

Contract Number 4 of 5
Customer Name ENGIE
Site Address BIRCHEN CD
SHEFFIELD S10 2QT
Postcode
Received By Signature

Landlords Details If Different
Name
Address
Postcode
Rented Accommodation YES/NO

GAS safe REGISTER
12770
Enter Company Registration Number

App	Landlords appliance Yes/No	Service Inspection Repair	Appliance Details: Location	Type	Model	Serial Number	Burner Manufacturer	Flue Type (OF/RS/FL)
1	YES	SERVICE	BIRCHEN CD PLANT ROOM	CHB N°1	WB3A 60kW	7176779	VIESSMANN	RS
2	YES	SERVICE		CHB N°2	WB3A 60kW	7176779	VIESSMANN	RS
3	YES	SERVICE		WTR HTR N°1	CWH 90/200	071337	ANDREWS	RS
4	YES	SERVICE		WTR HTR N°2	CWH 90/200	071337	ANDREWS	RS

General Safety Checks	Result	General Safety Checks	Result
Gas booster/compressor operating correctly (Yes /No/NA)	N/A	Flue termination satisfactory (Yes/No/NA)	YES
Is there a current gas installation line diagram at primary meter (Yes/No/NA)	YES	Has a tightness test been carried out from local isolation valve (Yes/No/NA)	YES
Is the meter installation correct (Yes/No)	YES	Is gas pipework electrically bonded (Yes/No)	YES
Gas installation pipework adequately supported (Yes/No)	YES	Are adequate emergency isolation valves fitted (Yes/No)	YES
Gas installation pipework sleeved and sealed as appropriate (Yes/No)	YES	Are emergency valve handles in place and labelled (Yes/No)	YES
Is gas pipework colour coded or identified (Yes/No/NA)	YES	Do valves fall to the correct position (Yes/No)	YES
Is flue system installed in accordance with standards (Yes/No)	YES	Area clear of combustible materials (Yes/No)	YES

Ventilation			
Low level free area cm² or ventilation flow rate inlet m³/h	Actual N/A	Required (Calculated) NONE	
High level free area cm² or ventilation flow rate extract m³/h	Actual N/A	Required (Calculated) NONE	
All ventilation grills clear and unobstructed (Yes/No) N/A	Fans and/or flue interlocks operating correctly (Yes/No/NA) N/A		

Details of any faults	Remedial Action Taken	Comments and calculations

Appliance Checks	App 1 or App 1 High	App 2 or App 1 Low	App 3 or App 2 High	App 4 or App 2 Low
Flue flow test satisfactory (Yes/No/NA)	N/A	N/A	N/A	N/A
Spillage test satisfactory (Yes/No/NA)	N/A	N/A	N/A	N/A
Air/Gas switch operating correctly (Yes/No/NA)	YES	YES	N/A	N/A
Flame proving devices operating correctly (Yes/No/NA)	YES	YES	YES	YES
Burner lock out time (seconds)	134	111	59	73
Temperature and limit thermostats operating correctly (Yes/No)	YES	YES	YES	YES
Heat net input rating data (kW)	60	60	30	30

	App 1 or App 1 High	App 2 or App 1 Low	App 3 or App 2 High	App 4 or App 2 Low
Gas burner pressure (mbar) or heat input kW/h required	60	60	30	30
Gas burner pressure (mbar) or heat input kW/h measured	20.9	20.9	21.7	21.7
Gas rating measured (kW/h / NA)	N/A	N/A	N/A	N/A
Air/gas ratio control setting (%/NA)	N/A	N/A	N/A	N/A
Net flue gas temperature (gross less ambient) (°C)	57.6	60.6	42.6	46.3
Oxygen (O_2 %)	5.4	4.4	5.8	5.9
Carbon Monoxide (CO)(ppm)	15	22	42	40

	App 1 or App 1 High	App 2 or App 1 Low	App 3 or App 2 High	App 4 or App 2 Low
Carbon Dioxide (CO_2) (%)	8.87	9.43	8.64	8.54
Excess Air (%)	N/A	N/A	N/A	N/A
CO/CO_2 Ratio	0.0002	0.0002	0.00 0.5	0.00 0.5
Gross Efficiency (%)	88.4	88.3	88.7	88.8
CO flue dilution (ppm)	N/A	N/A	N/A	N/A
Standing pressure (mbar)	23.2	23.2	23.2	23.2
Working pressure (mbar)	20.9	20.9	21.7	21.7
Is appliance safe for use (Yes/No)	YES	YES	YES	YES
Has a warning advice notice been raised (No or Warning notice Ser No or No's)	NO			
Test Instrument	TESTO 327 1			
Test Instrument serial number	02596772			

Worksheet No (if used)	
Checked by (office use)	
Entered on database	

Declaration of gas safety - I confirm that all of the above work described on this form has been satisfactorily completed in accordance with the current Gas Safety (Installation and Use) regulations, standards and procedures.

Date	29 OCTOBER 2020
Signature	[redacted]

White - Customer, Yellow - Service Centre, Pink - Site, Green - Engineer

GAS SAFETY CERTIFICATE

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Page 2 of 2 Ser No. 31557

Gas Safe REGISTER 12770 Enter Company Registration Number

Engineer [redacted]

Gas Safe [redacted]

Engie Office Address
14 ENDCLIFFE AVE
SHEFFIELD
S10 3EA

Contract Number 4 of 5
Customer Name ENGIE
Site Address BIRCHEN CD APARTMENTS
SHEFFIELD S10 2QT
Postcode
Received By Signature

Landlords Details If Different
Name
Address
Postcode
Rented Accommodation YES/NO

App	Landlords appliance Yes/No	Service Inspection Repair	Appliance Details Location	Type	Model	Serial Number	Burner Manufacturer	Flue Type (OF/RS/FL)
1	YES	SERVICE	BIRCHEN CD PLANT Room	WTR HTR N°3	CWH 90/200	071337	ANDREWS	RS
2	N/A	N/A		N/A	N/A	N/A	N/A	N/A
3	N/A	N/A		N/A	N/A	N/A	N/A	N/A
4	N/A	N/A		N/A	N/A	N/A	N/A	N/A

General Safety Checks	Result	General Safety Checks	Result
Gas booster/compressor operating correctly (Yes /No/NA)	N/A	Flue termination satisfactory (Yes/No/NA)	YES
Is there a current gas installation line diagram at primary meter (Yes/No/NA)	YES	Has a tightness test been carried out from local isolation valve (Yes/No/NA)	YES
Is the meter installation correct (Yes/No)	YES	Is gas pipework electrically bonded (Yes/No)	YES
Gas installation pipework adequately supported (Yes/No)	YES	Are adequate emergency isolation valves fitted (Yes/No)	YES
Gas installation pipework sleeved and sealed as appropriate (Yes/No)	YES	Are emergency valve handles in place and labelled (Yes/No)	YES
Is gas pipework colour coded or identified (Yes/No/NA)	YES	Do valves fall to the correct position (Yes/No)	YES
Is flue system installed in accordance with standards (Yes/No)	YES	Area clear of combustible materials (Yes/No)	YES

Ventilation			
Low level free area cm² or ventilation flow rate inlet m³/h	Actual N/A	Required (Calculated) NONE	
High level free area cm² or ventilation flow rate extract m³/h	Actual N/A	Required (Calculated) NONE	
All ventilation grills clear and unobstructed (Yes/No) N/A	Fans and/or flue interlocks operating correctly (Yes/No/NA) N/A		

Details of any faults	Remedial Action Taken	Comments and calculations

Appliance Checks	App 1 or App 1 High	App 2 or App 1 Low	App 3 or App 2 High	App 4 or App 2 Low
Flue flow test satisfactory (Yes/No/NA)	N/A	N/A	N/A	N/A
Spillage test satisfactory (Yes/No/NA)	N/A	N/A	N/A	N/A
Air/Gas switch operating correctly (Yes/No/NA)	N/A	N/A	N/A	N/A
Flame proving devices operating correctly (Yes/No/NA)	YES	N/A	N/A	N/A
Burner lock out time (seconds)	57	N/A	N/A	N/A
Temperature and limit thermostats operating correctly (Yes/No)	YES	N/A	N/A	N/A
Heat net input rating data (kW)	30	N/A	N/A	N/A

	App 1 or App 1 High	App 2 or App 1 Low	App 3 or App 2 High	App 4 or App 2 Low
Gas burner pressure (mbar) or heat input kW/h required	30	N/A	N/A	N/A
Gas burner pressure (mbar) or heat input kW/h measured	21.1	N/A	N/A	N/A
Gas rating measured (kW/h / NA)	N/A	N/A	N/A	N/A
Air/gas ratio control setting (%/NA)	N/A	N/A	N/A	N/A
Net flue gas temperature (gross less ambient) (°C)	49.8	N/A	N/A	N/A
Oxygen (O_2 %)	5.2	N/A	N/A	N/A
Carbon Monoxide (CO)(ppm)	52	N/A	N/A	N/A

	App 1 or App 1 High	App 2 or App 1 Low	App 3 or App 2 High	App 4 or App 2 Low
Carbon Dioxide (CO_2) (%)	8.94	N/A	N/A	N/A
Excess Air (%)	N/A	N/A	N/A	N/A
CO/CO_2 Ratio	0.00 0.00	N/A	N/A	N/A
Gross Efficiency (%)	88.5	N/A	N/A	N/A
CO flue dilution (ppm)	N/A	N/A	N/A	N/A
Standing pressure (mbar)	23.2	N/A	N/A	N/A
Working pressure (mbar)	21.1	N/A	N/A	N/A
Is appliance safe for use (Yes/No)	YES	N/A	N/A	N/A
Has a warning advice notice been raised (No or Warning notice Ser No or No's)	NO			
Test Instrument	TESTO 327/1			
Test Instrument serial number	02596772			

Worksheet No (if used)	
Checked by (office use)	
Entered on database	

Declaration of gas safety - I confirm that all of the above work described on this form has been satisfactorily completed in accordance with the current Gas Safety (installation and use) regulations, standards and procedures.

Date 29TH OCTOBER 2020

Signature [redacted]

Distribution: White - Customer, Yellow - Service Centre, Pink - Site, Green - Engineer